

**Standard Extraction Method**  
**PRIOR ART**

Dry lipids under nitrogen  
↓  
Sonicate in buffer to form micelles  
Add reaction mixture  
↓  
Stop Reaction  
↓  
Extract lipids in chloroform/methanol  
to induce two phases  
↓  
Spin down  
↓  
Remove upper (water) phase  
↓  
To lower phase add  
artificial upper phase  
↓  
Spin down  
↓  
Remove lower (lipid) phase  
into fresh tubes  
↓  
Count or run TLC

**Present Invention**

Spot liquids on the membrane directly  
from chloroform/methanol solution  
↓  
Add reaction mixture  
(enzyme +  $^{32}\text{P}$ -ATP)  
↓  
Stop reaction  
↓  
Wash membranes  
↓  
Phosphoimage analysis or  
radioactivity counting

**FIG. 1**

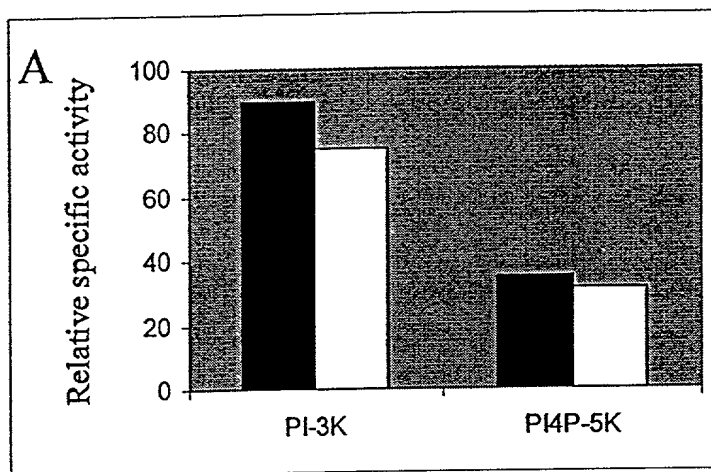


FIG. 2A

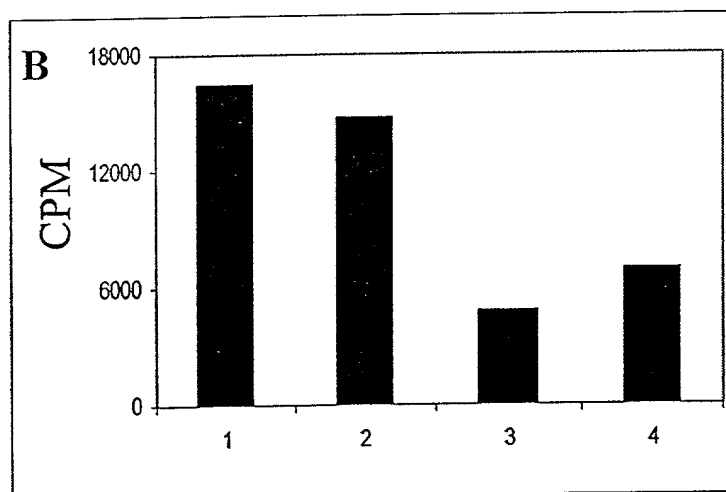


FIG. 2B

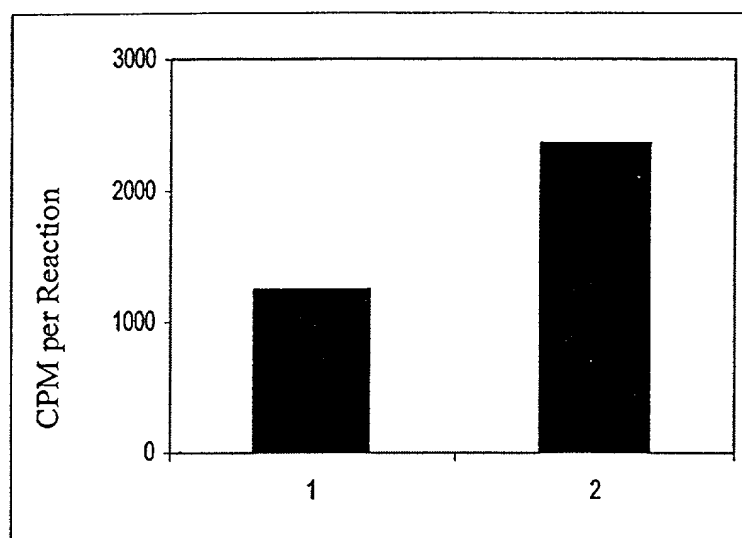


FIG. 3

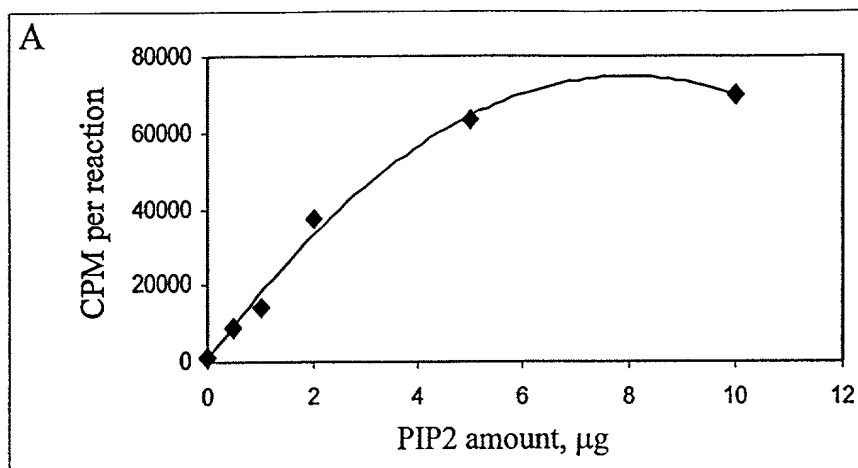


FIG. 4A

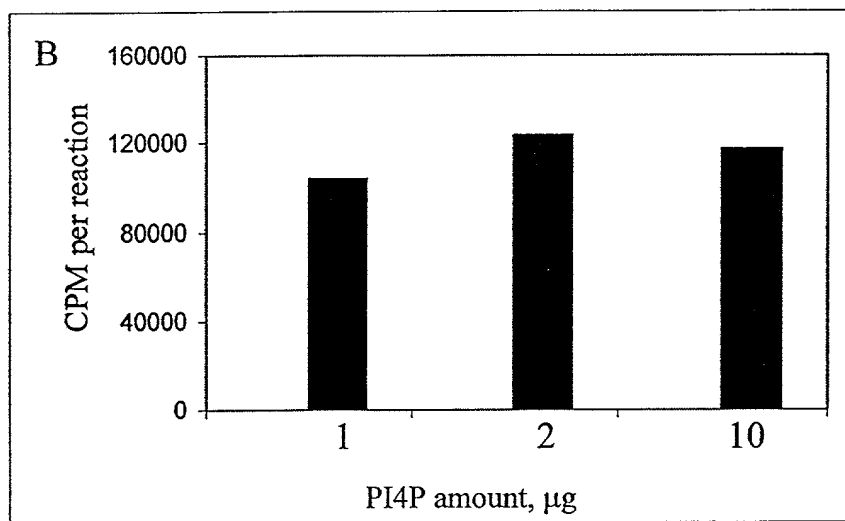


FIG. 4B

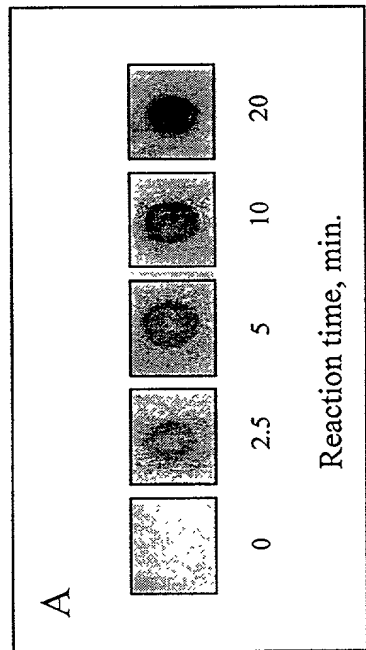


FIG. 5A

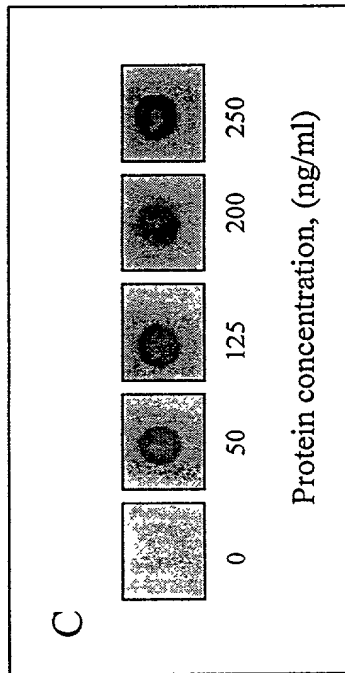


FIG. 5C

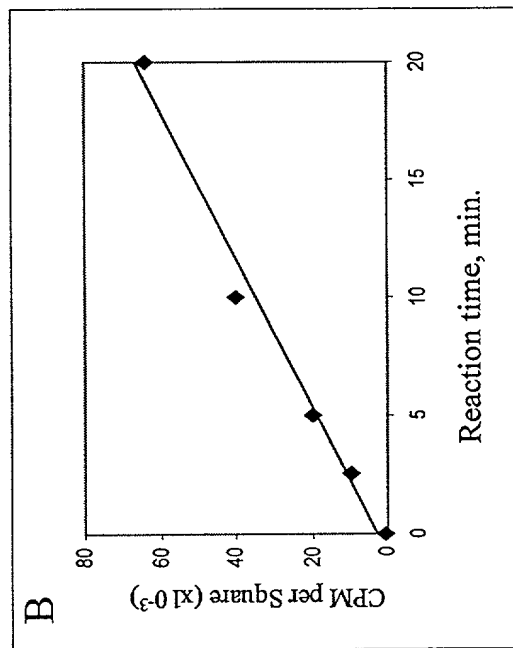


FIG. 5B

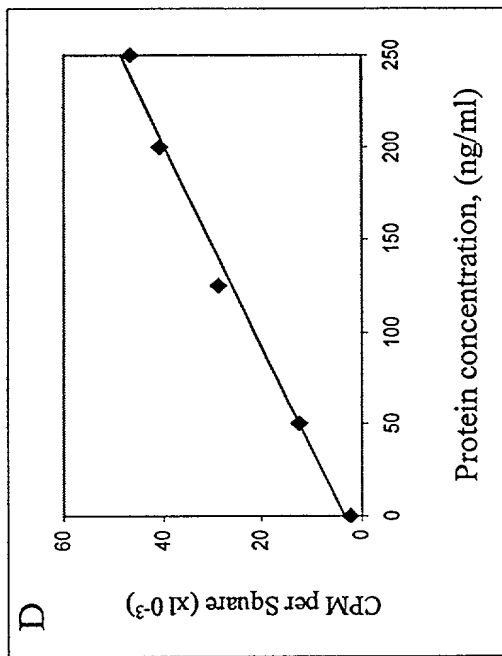


FIG. 5D

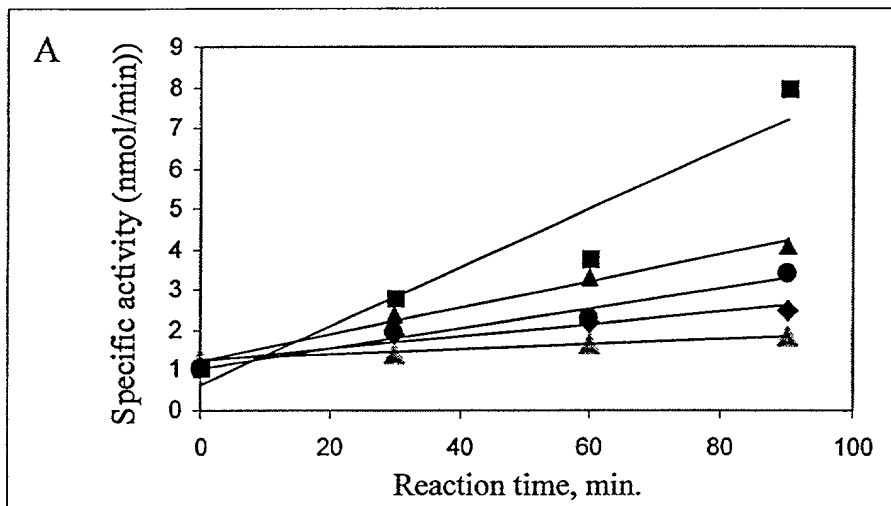


FIG. 6A

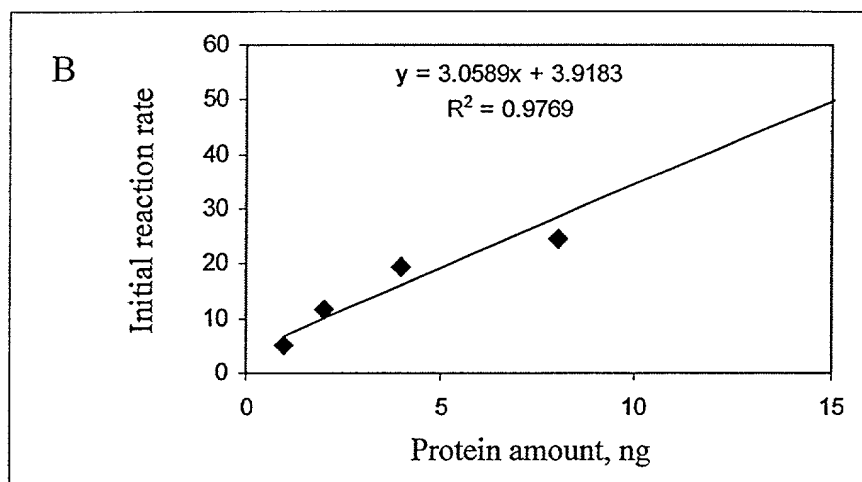


FIG. 6B

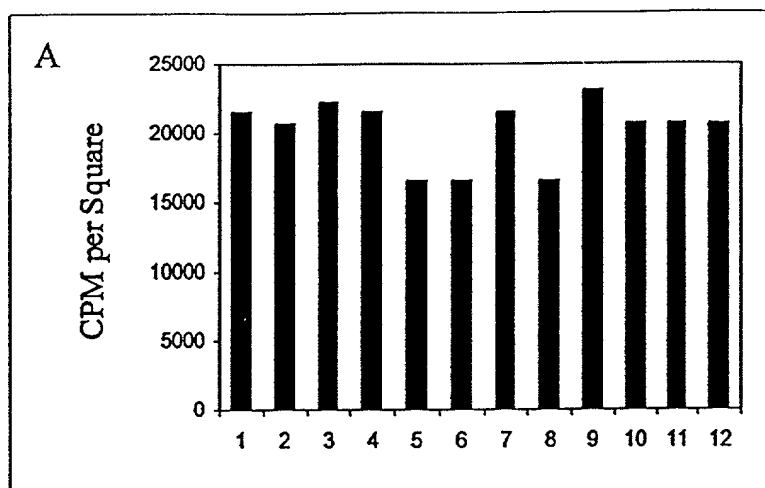


FIG. 7A

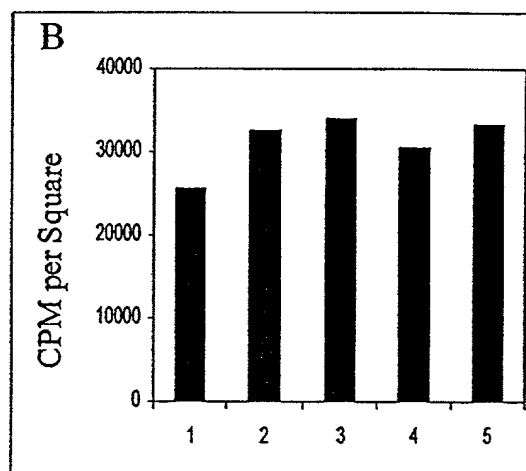


FIG. 7B

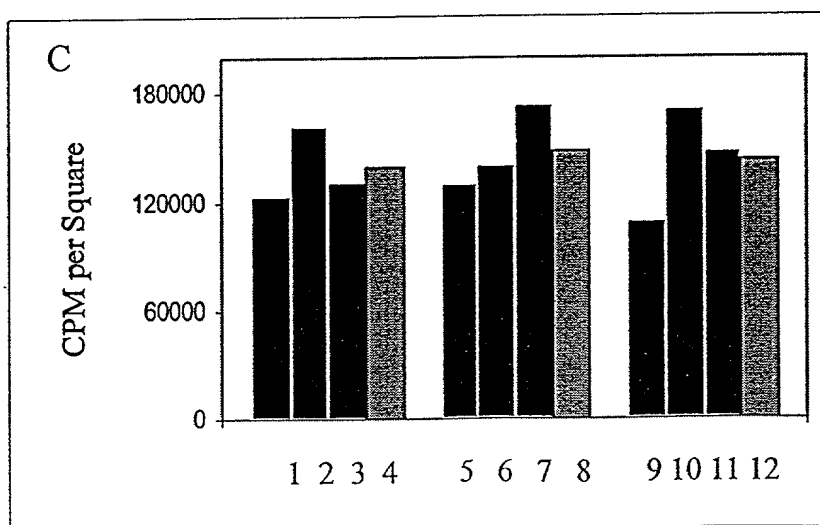


FIG. 7C

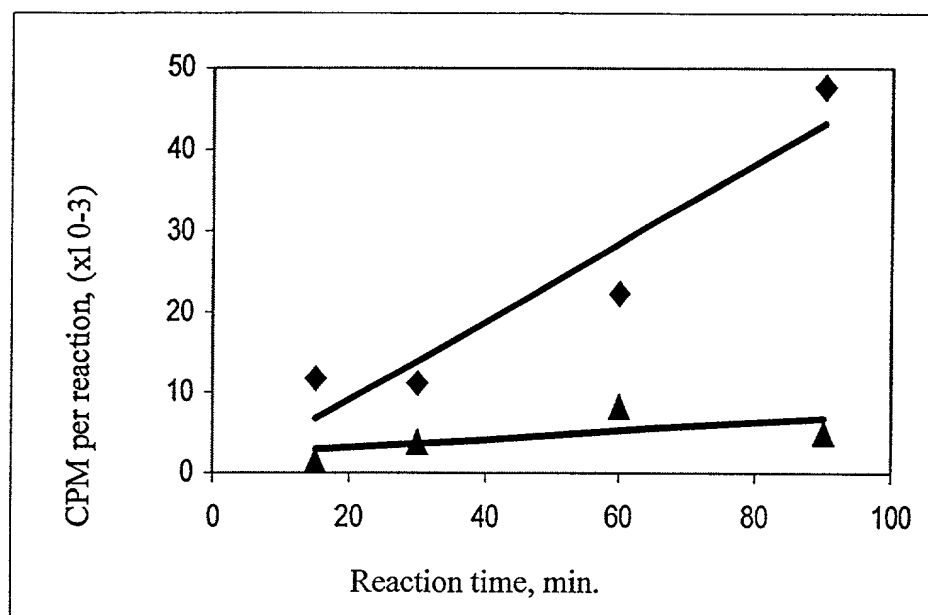


FIG. 8



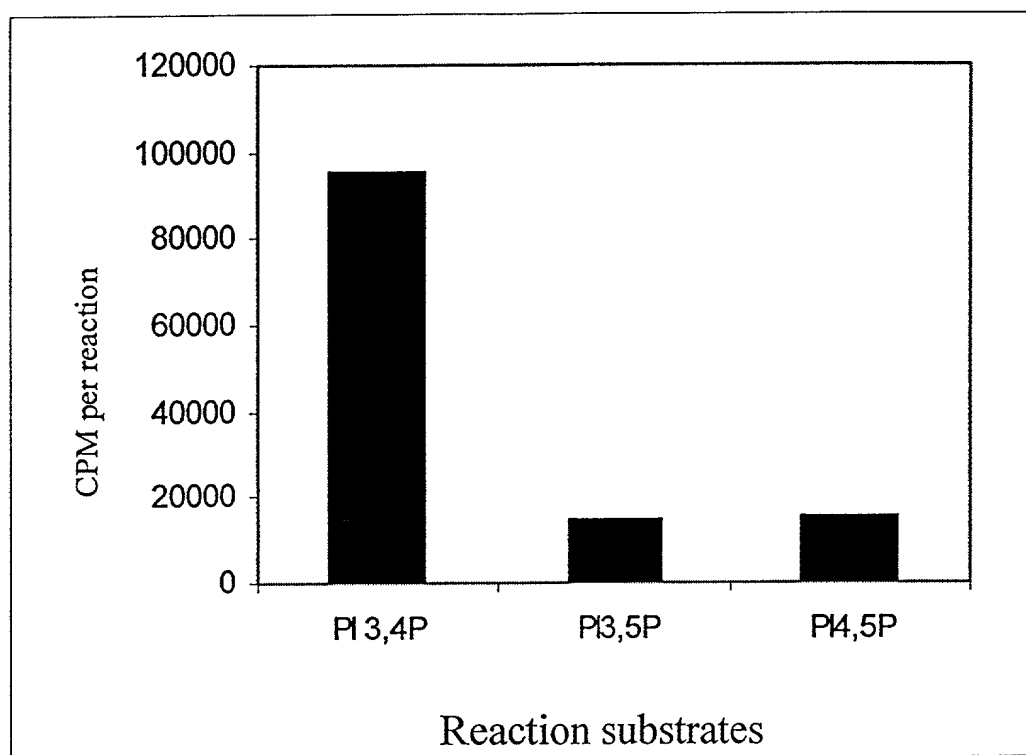


FIG. 9

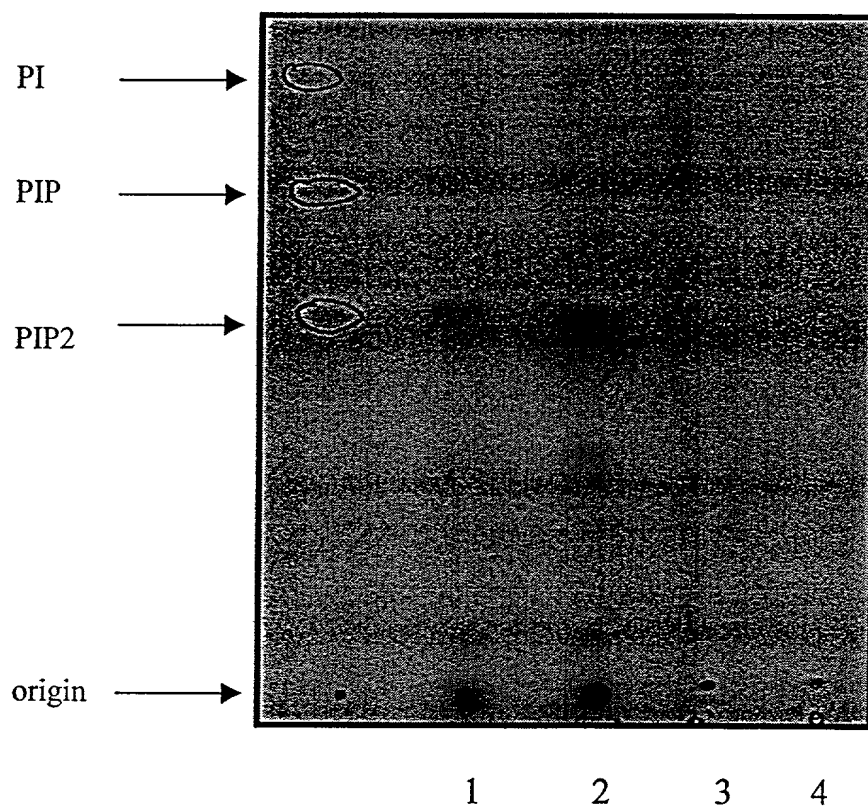


FIG. 10

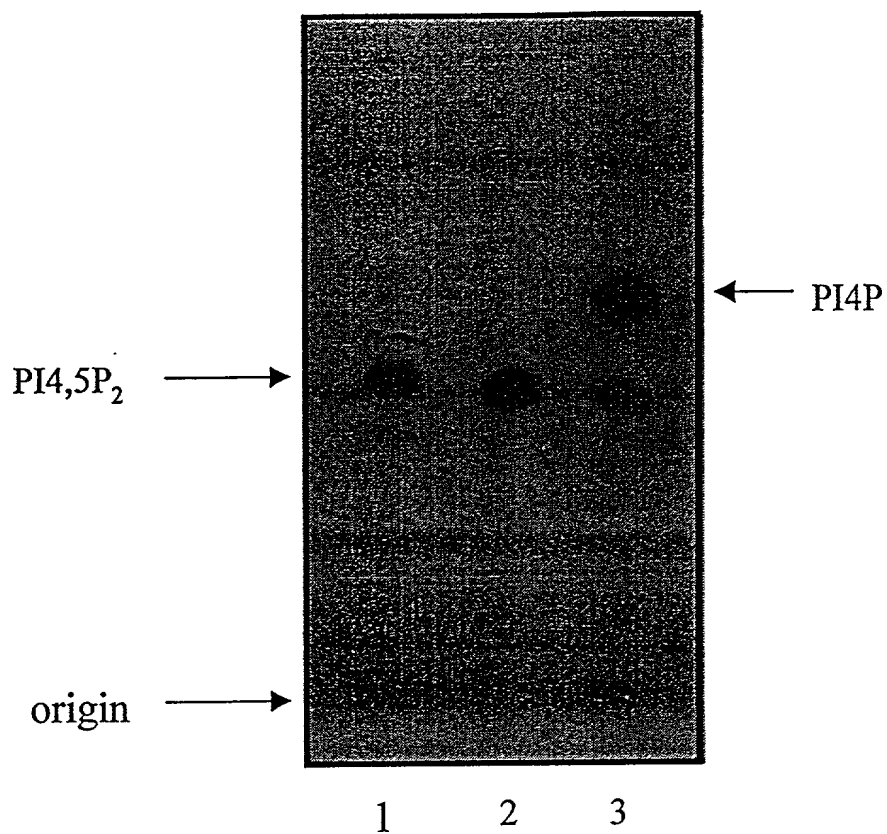


FIG. 11A

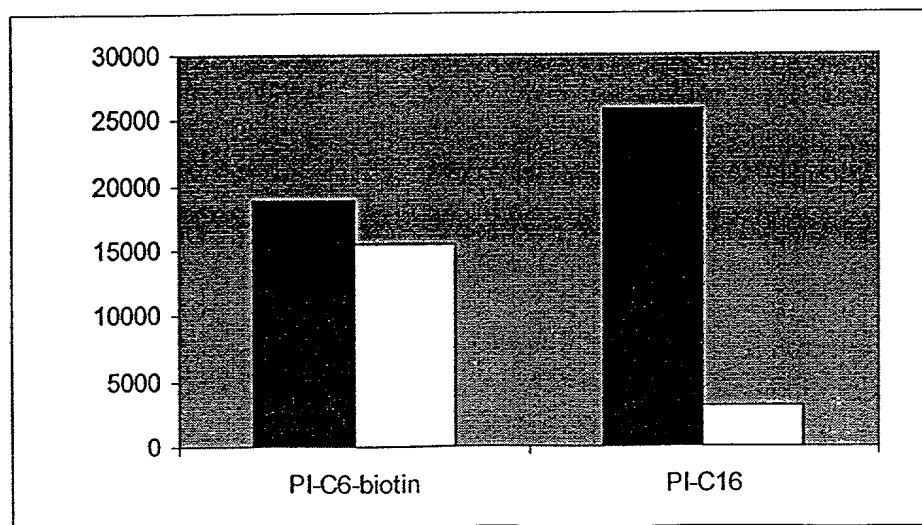


FIG. 11B